



# Transportation Packaging Quick Facts

Office of Environmental Management  
National Transportation Program



## **Packaging: Atomic Materials Rail Transfer (ATMX/OHOX-600) Railcar Containment System**

**Manufacturer:** Thrall Car Manufacturing Company, Chicago, IL

**Certification:** U.S. Department of Transportation Exemption DOT-E 5948 (10<sup>th</sup> Revision)

### **General Description:**

**Packaging Type:** Special Purpose

**Gross Weight:** 220,000 pounds (99,792 kilograms) maximum load

**Capacity:** 101,300 pounds (45,949.7 kilograms) maximum

**Overall Dimensions:** Length 59 feet, 10 inches (1823.7 centimeters); Width 10 feet (304.8 centimeters); Height 13 feet, 10 inches (421.6 centimeters)

**Cavity Size:** Length 50 feet (1524 centimeters), Width 9 feet, 4 inches (284.5 centimeters); Height 9 feet, 2 inches (279.4 centimeters)

### **Mode of Transport: Rail**

**Use:** The ATMX/OHOX-600 is a top-loading gondola railcar with double-walled insulated steel construction and special design features that provide its contents with protection similar to a Type B packaging. It carries Type B quantities of contact-handled transuranic (TRU) waste in Type A steel boxes or drums. Rapid loading/unloading of the 9-ft. x 9-ft. x 50-ft. (274.3-cm. x 274.3-cm. x 1524-cm.) cargo space is accomplished by prepackaging waste in standard 20-ft. (609.6-cm.) steel cargo containers. The ATMX/OHOX-600 will hold two cargo containers, each carrying seventy 55-gallon (208.2-liter) drums. The car is left in a three-bay configuration if crates or drums are to be loaded directly without use of cargo containers. Twenty-four 4-ft. x 4-ft. x 7-ft. (121.9-cm. x 121.9-cm. x 213.4-cm.) crates can be loaded with the car arranged in a three-bay configuration. Inflatable dunnage bags are placed in the extra space to securely wedge the crates in place. Approximately two hundred and sixteen 55-gallon (208.2-liter) drums can be fitted into the three-bay configuration. Use is restricted to shipment of limited quantities of TRU waste from Mound to another DOE site. Two 600-series cars are in service: OHOX-610 and -613.

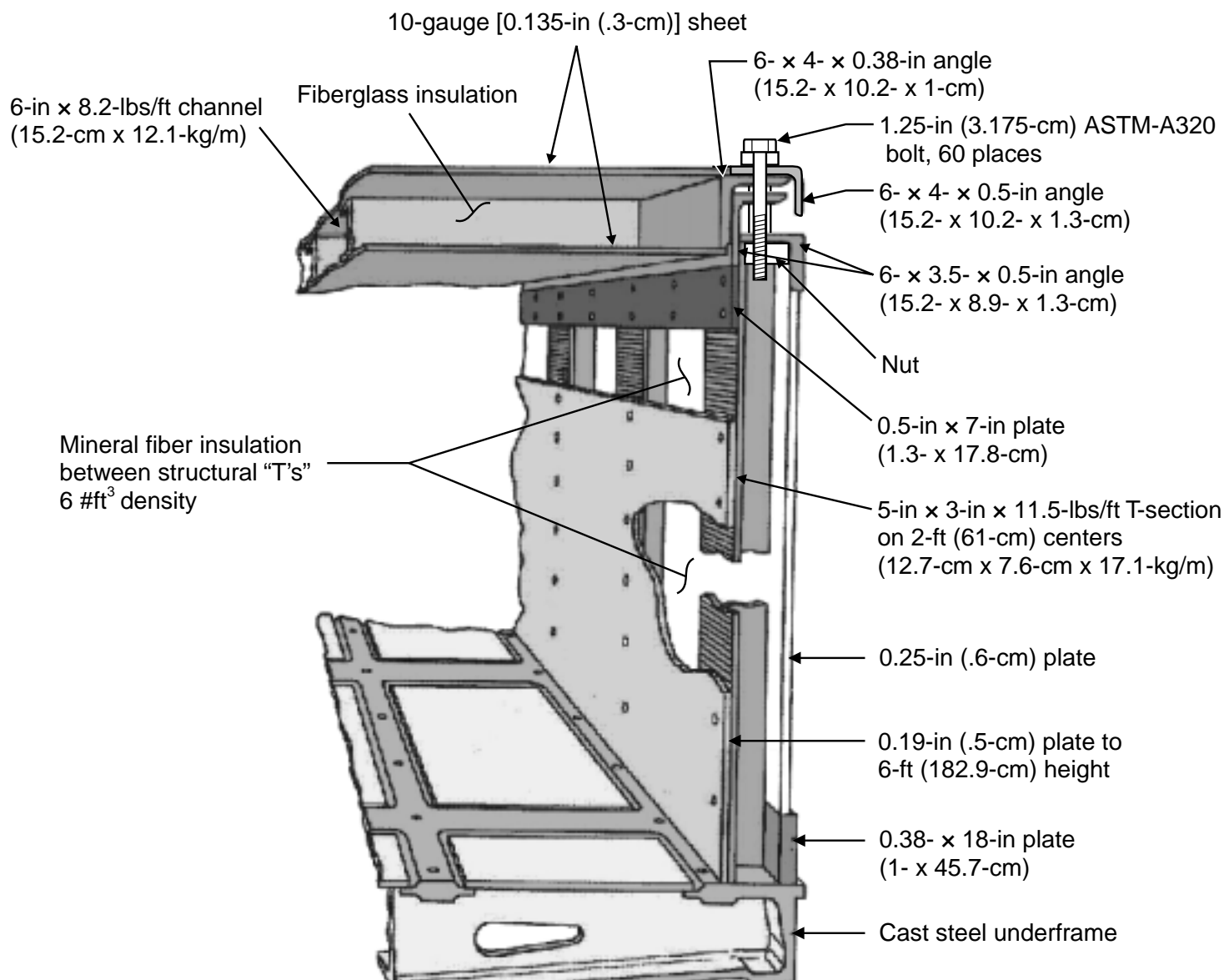
**Frequency of Use:** Intermittent. The DOT exemption allows up to 10 cars to be shipped through May 31, 2002.

**Loading Process:** Top loading, bolted hatch covers

**Owner:** Miamisburg Environmental Management Project  
U.S. Department of Energy  
Miamisburg, OH

Requests for additional information should be referred to Jane Greenwalt, DOE Public Affairs Officer, at 937-865-3116 or e-mail at [jane.greenwalt@ohio.doe.gov](mailto:jane.greenwalt@ohio.doe.gov).





## Atomic Materials Rail Transfer (ATMX/OHOX-600) Railcar Containment System

Additional information on DOE's National Transportation Program may be obtained from:

National Transportation Program  
U.S. Department of Energy  
Albuquerque Operations Office  
P.O. Box 5400, MS SC-5  
Albuquerque, NM 87185-5400

Phone: 505-845-6134  
Fax: 505-845-5508

Website:  
<http://www.ntp.doe.gov/>

DOE Center for Environmental  
Management Information  
P.O. Box 23769  
Washington, DC 20026-3769

1-800-7EM-DATA  
1-800-736-3282

Website:  
<http://www.em.doe.gov/>

Transportation Resource Exchange Center  
ATR Institute  
University of New Mexico  
1001 University Blvd., SE  
Albuquerque, NM 87106-4342

Phone: 1-877-287-TREX (8739)  
Fax: 505-246-6001  
email: [trex@unm.edu](mailto:trex@unm.edu)

Website:  
<http://www.trex-center.org/>